Database Perspectives

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a passion for discovery



CSEWG has already committed itself to adopting results of CIELO project

I guess that's kind of obvious



CSEWG has unique tool for enabling A/B library comparisons

 Main ENDF library development area ("ENDF/A") is the trunk of our subversion repository:

https://ndclx4.bnl.gov/svn/endf/trunk/endf7

Creating a new library is ridiculously cheap:

svn cp [OLD URL] [NEW URL]

The whole operation takes ~ 15 sec (mostly I am a slow typist)

I made a CIELO+ENDF development branch already:

https://ndclx4.bnl.gov/svn/endf/branches/endf71_plus_cielo

This is soft link of "ENDF/A", supplemented with all the CIELO evaluations I have (16O, 56Fe, 235U, 239Pu)

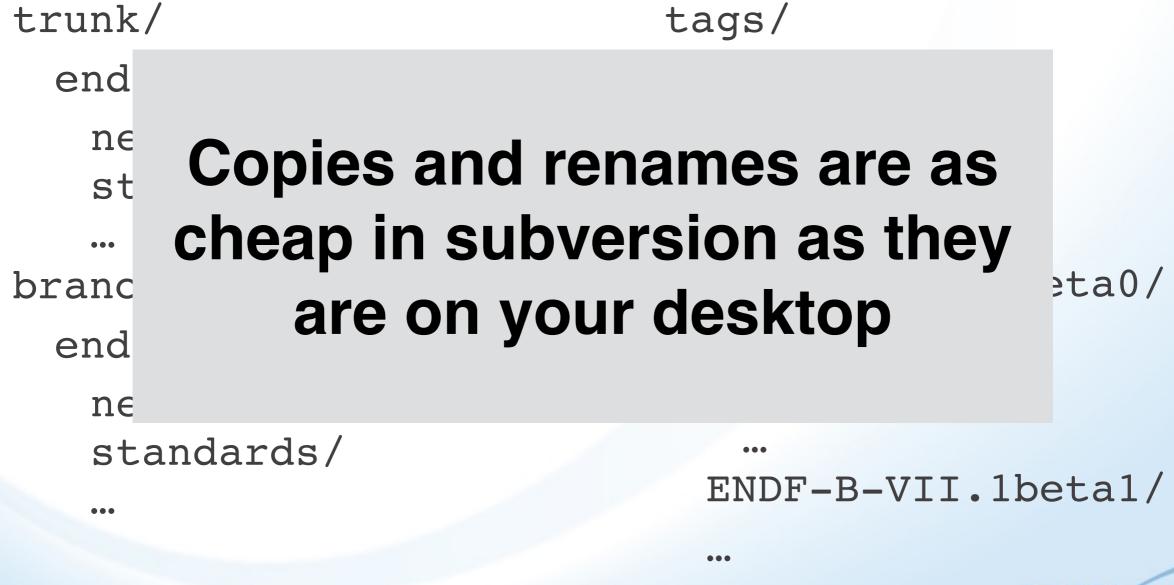
Wait, how is this possible?

Answer: subversion is like a big version controlled filesystem

```
trunk/
                           tags/
 endfb7/
                             ENDF-B-VII.1/
   neutrons/
                              neutrons/
   standards/
                              standards/
branches/
                             ENDF-B-VII.1beta0/
                              neutrons/
 endf71 plus cielo/
                              standards/
   neutrons/
   standards/
                             ENDF-B-VII.1beta1/
```

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Answer: subversion is like a big version controlled filesystem



How can we use this capability?

A/B comparisons...

- Not sure whether LANL's or ORNL's 160 performs best? make two branches & try them out
- Yes, you can do this without subversion, but you have to do your own revision management
- With subversion, you can make improvements to each branch independently and have a "performance history" of each branch

Making adjusted libraries

- "ENDF/A" is the trunk of our repository
- We copy it to the "tags" directory to release ENDF
- We can easily make a branch, do our adjustments and make a different tagged release
- We can upload other libraries as well, if requested

